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FACSIMILE COVER SHEET

108041-0013

DATE:	January 15, 2004
TOTAL PAGES WITH COVER:	6
TO:	Examiner Drew Becker
FIRM:	USPTO
FACSIMILE NUMBER:	571 273-1396
TELEPHONE NUMBER:	571 272-1396
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COMMENTS:	

Attached are claims for discussion purposes only. I will call you at 3:00 today.

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PATENTS  
108041-0013

## FOR DISCUSSION PURPOSES ONLY

1. A control system for a household cooking appliance, the control system including:

- A. a memory that includes a first section for storing programs and information for a first set of pre-programmed appliance functions associated with basic cooking functions and a second section for storing programs and information for a second set of pre-programmed appliance functions associated with non-basic cooking functions of  
*moving top/bottom element*  
dynamically changing the heating element configuration,  
*mw/steam*  
dynamically selecting among heating sub-systems;
- B. a control panel that is located on the appliance and includes one or more knobs or buttons or both that are activated to produce signals that select and provide associated parameter values for the first set of pre-programmed appliance functions;
- C. a controller that communicates with the appliance and produces data signals that select and provide associated parameter values for the second set of pre-programmed appliance functions; and
- D. appliance control means that
- i. responds to the signals produced by the control panel by utilizing the programs and information included in the first section of the memory to control the operations of the appliance in accordance with the selected first function and the associated parameter values, and

PATENTS  
108041-0013

ii. responds to the data signals provided by the controller by utilizing the programs and information included in the second section of the memory to control the operations of the appliance in accordance with the selected second function and the associated parameter values.

36 2. The control system of claim 1 wherein the system selects among one or more of conventional, convection, microwave, infrared, steam sub-systems.

1 3. The control system of claim 1 wherein the second functions dynamically change and/or select during a cooking process.

37 4. The control system of claim 1 wherein  
the appliance control means further includes transmitting means for transmitting status information associated with the current operating status of the appliance, the transmitting means transmitting the status information to the controller, and  
the controller includes receiving means for receiving the status information and a display for displaying certain or all of the status information.

38 5. The control system of claim 1, wherein the appliance control means includes a first clock, and the controller includes a second clock, the controller providing information from the second clock to update the first clock.

PATENTS  
108041-0013

4. 6. The control system of claim 1, wherein the controller includes a remote control device and the appliance control means includes a receiving means for receiving signals from the remote control.

4. 7. The control system of claim 1 further including supplying status information to the controller, the status information including parameters that identify the progress of the function being performed by the appliance.

4. 8. The control system of claim 7 wherein said status information includes diagnostic messages for the technical servicing of the appliance.

9. A control system for a household washing appliance, the control system including:

A. a memory that includes a first section for storing programs and information for a first set of pre-programmed appliance functions associated with basic washing functions and a second section for storing programs and information for a second set of pre-programmed appliance functions associated with non-basic washing functions of

dynamically selecting the time for washing,

dynamically selecting temperatures, timing and/or duration for washing cycles.

B. a control panel that is located on the appliance and includes one or more knobs or buttons or both that are activated to produce signals that select and provide associated parameter values for the first set of pre-programmed appliance functions;

PATENTS  
108041-0013

- C. a controller that communicates with the appliance and produces data signals that select and provide associated parameter values for the second set of pre-programmed appliance functions; and
- D. appliance control means that
- i. responds to the signals produced by the control panel by utilizing the programs and information included in the first section of the memory to control the operations of the appliance in accordance with the selected first function and the associated parameter values, and
  - ii. responds to the data signals provided by the controller by utilizing the programs and information included in the second section of the memory to control the operations of the appliance in accordance with the selected second function and the associated parameter values.

10. The washing appliance of claim 9 wherein the dynamic selection of the time for washing is selected to wash at low-cost energy times.

11. A method of operating a household appliance, the method including the steps of:

- A. activating knobs or buttons or both on an appliance control panel to produce signals that select and provide associated parameter values to control the operations of the appliance in accordance with a first set of pre-programmed appliance functions; and

PATENTS  
108041-0013

- B. providing data to a controller that communicates with the appliance and produces data signals that select and provide associated parameter values to control the operations of the appliance in accordance with a second set of pre-programmed appliance functions that cannot be selected or controlled by the signals produced by activating the knobs or buttons or both of the control panel, the second set of functions being associated with the dynamic selection of particular methods of operation, timing of an entire operation or the cycles of the operation, and temperatures, for optimal performance of the appliance during an operating process of the appliance; and
- C. operating the appliance
- in accordance with the selected first function and associated parameters based on the signals produced by the control panel; or
- in accordance with the selected second function and associated parameters based on the signals produced by the controller.

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12. The method of claim 11 wherein the step of providing data further includes providing data to dynamically select

heating element configurations,  
among heating sub-systems;  
times for washing, and/or  
temperatures, timing and/or duration for washing cycles.